

FIGURE 1

09476495-123000

β -Subunit

Gowda 1 AQSLSFSTFKFDPNQEDLIFQGTATS.....KLDGAGNPVSSSAGRV 42
 FRIL 1 AQSLSFSTFKFDPNQEDLIFQGHATSTNNVLQVTKLDSAGNPVSSSAGRV 50
 43 LYSAPLRLWEDSAVLTSFDPITY..IFTNYSRIADGLA.FIAPPDSVIS 89
 51 LYSAPLRLWEDSAVLTSFDTIINFESTPYTSRIADGLA.FIAPPDSVIS 100
 90 YHGGFLGLFPNAESG..... 105
 101 YHGGFLGLFPNANTLNNSSTSEN 123

α -Subunit

Gowda 1IAESNVVAVEFDTYLNPDYGDPNYIHGIDVNSIRSKVTASWDW 45
 FRIL 1 QTTKAASSNVVAVEFDT.YLNPDYGDPNYIHGIDVNSIRSKVTAKWDW 49
 46 QNGKIATAHISYNSVSKRLSVTTYYPGRGKPATSYDIELHTVLPWVRVG 95
 50 QNGKIATAHISYNSVSKRLSVTSYAGSKPATLSYDIELHTVLPWVRVG 99
 96 LSASTGQNIERNVTVHSWSFTSSLMTNNAKVGVASISG..... 132
 100 LSASTGQDKERNVTVHSWSFTSSLMTNNAKKENENKYITRGVL*YMCIND 149

FIGURE 2

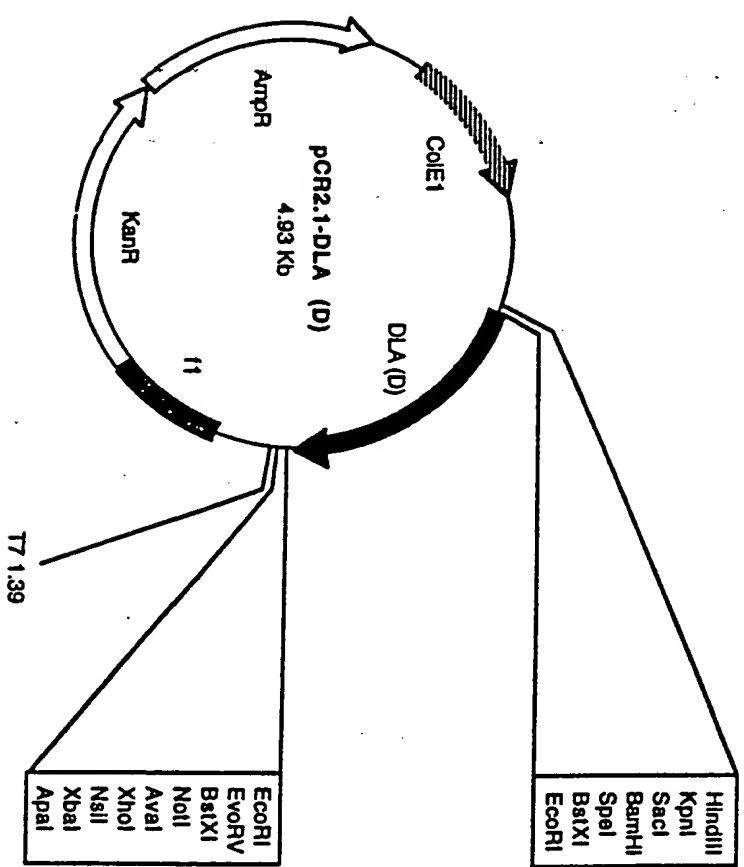


FIGURE 3

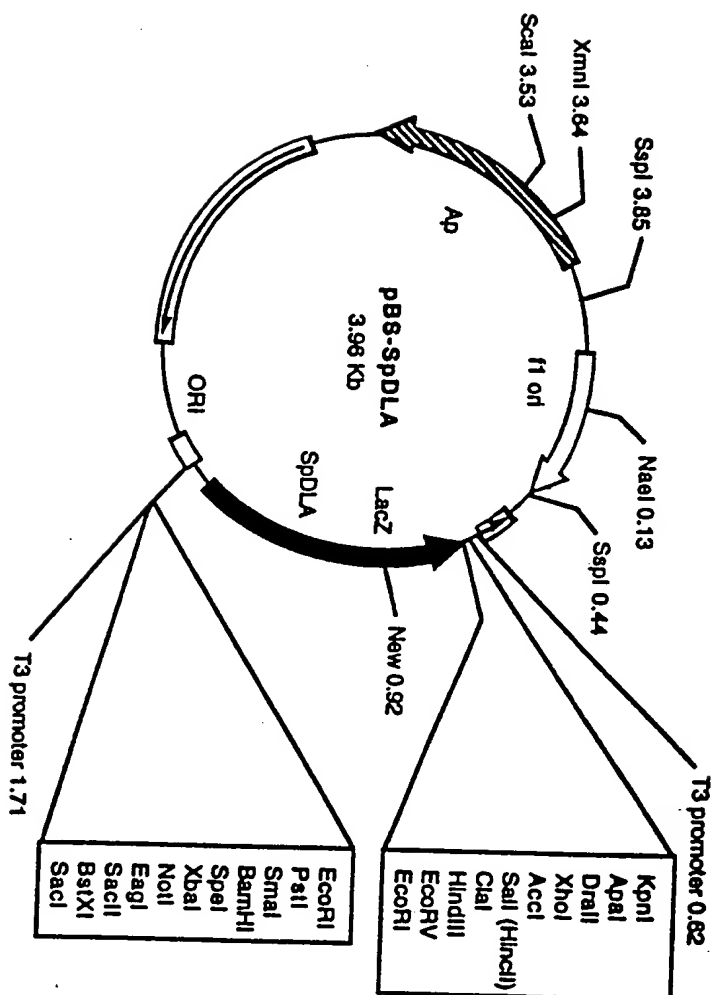


FIGURE 4
09476496-103099

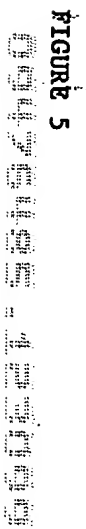


FIGURE 5

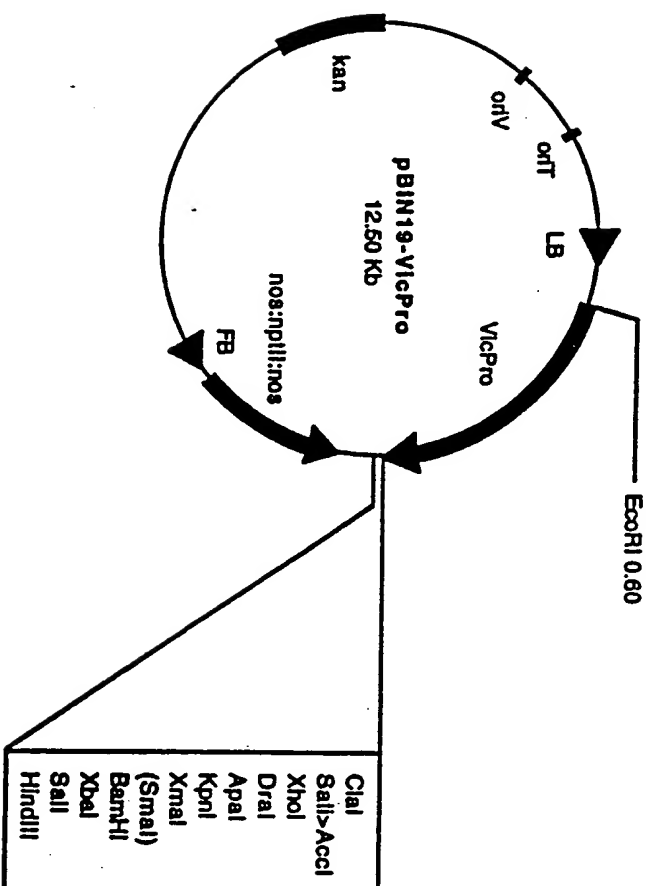


FIGURE 6

09478485-123099

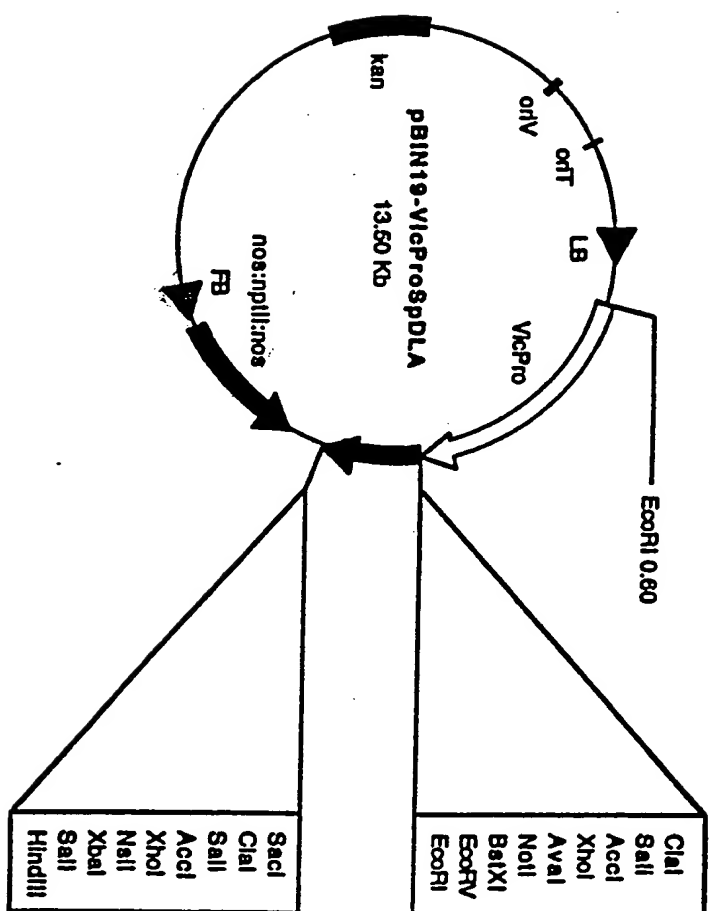


FIGURE 7

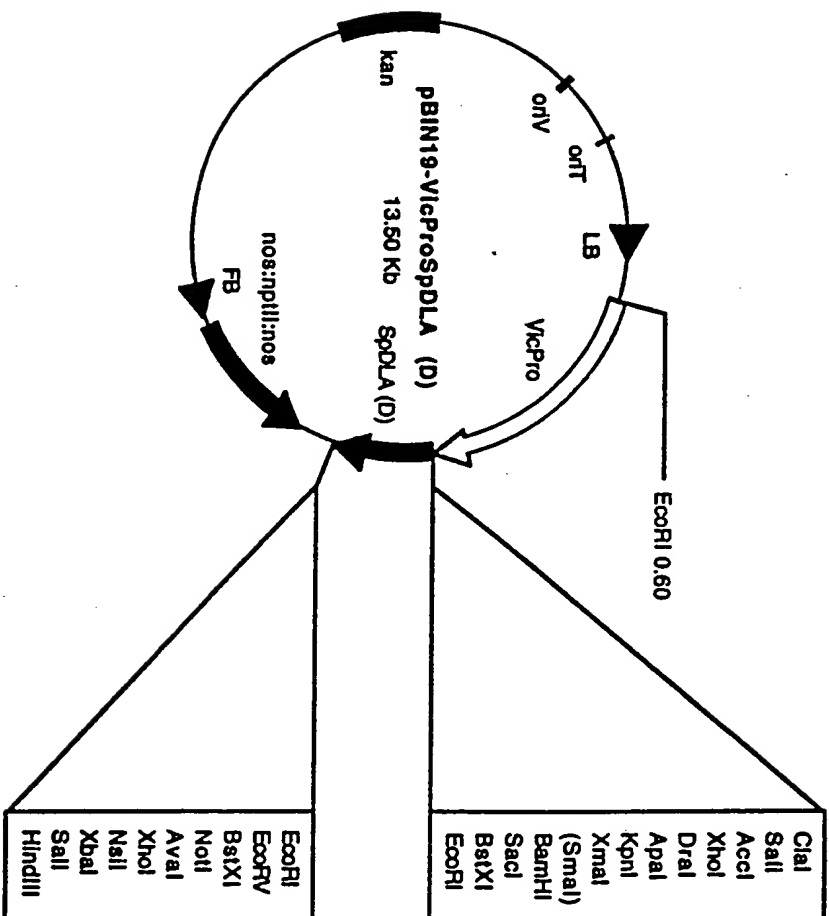


FIGURE 8

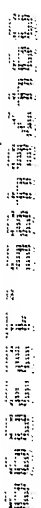


FIGURE 9

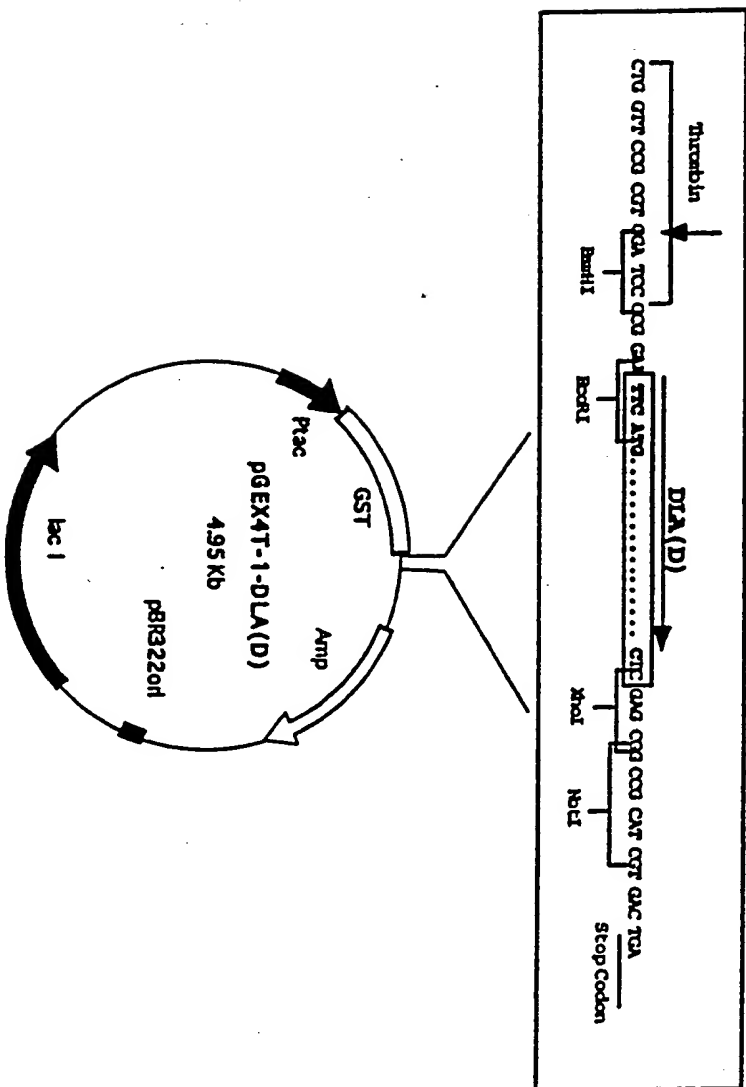


FIGURE 10

1 2 3 4 5

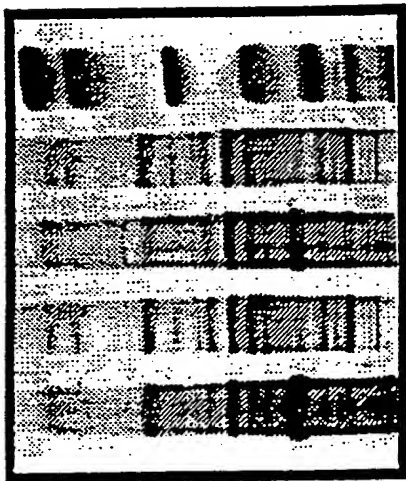


FIGURE 11

00475485-423099

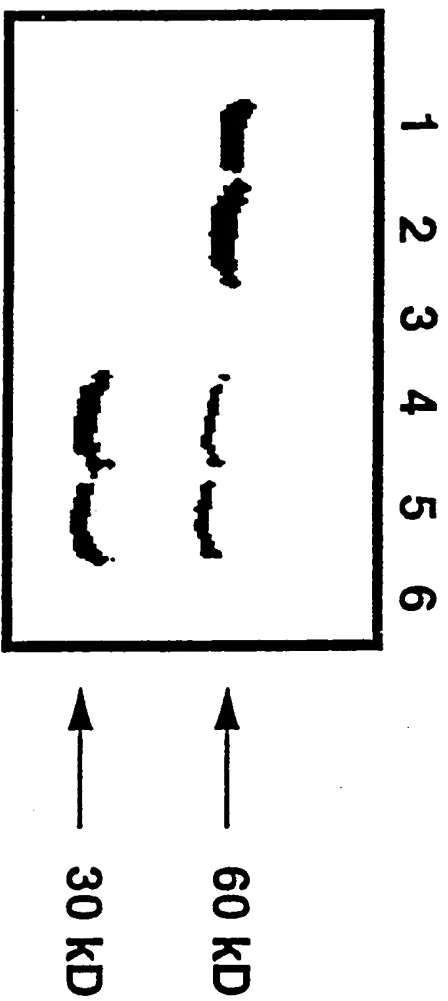
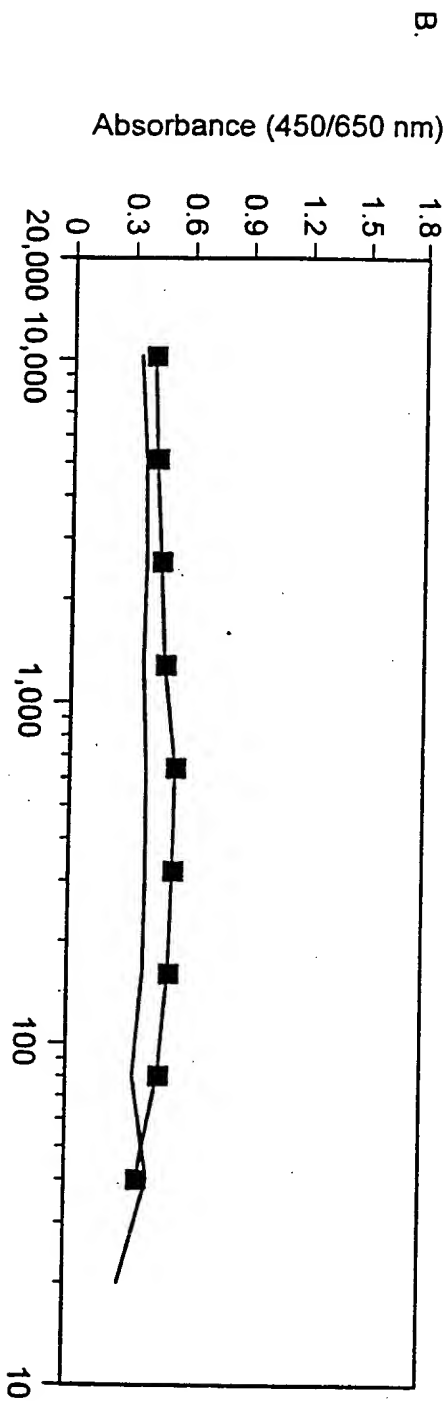
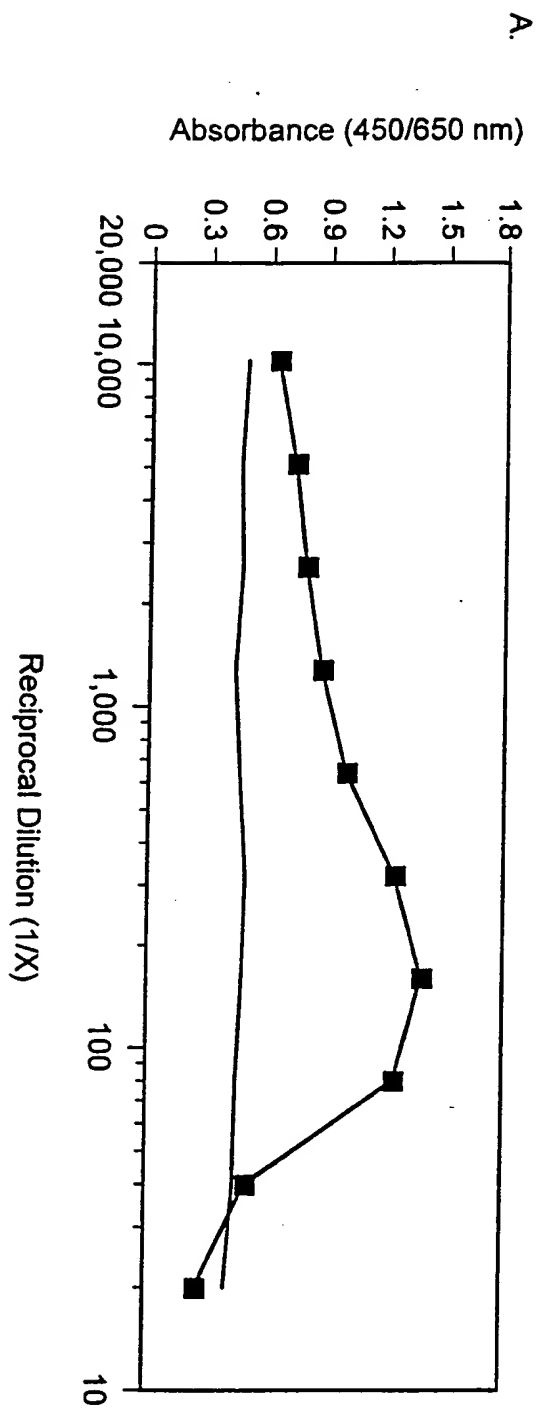


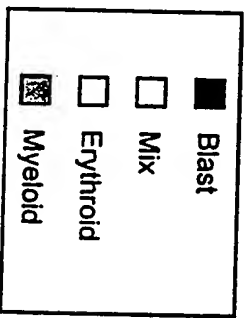
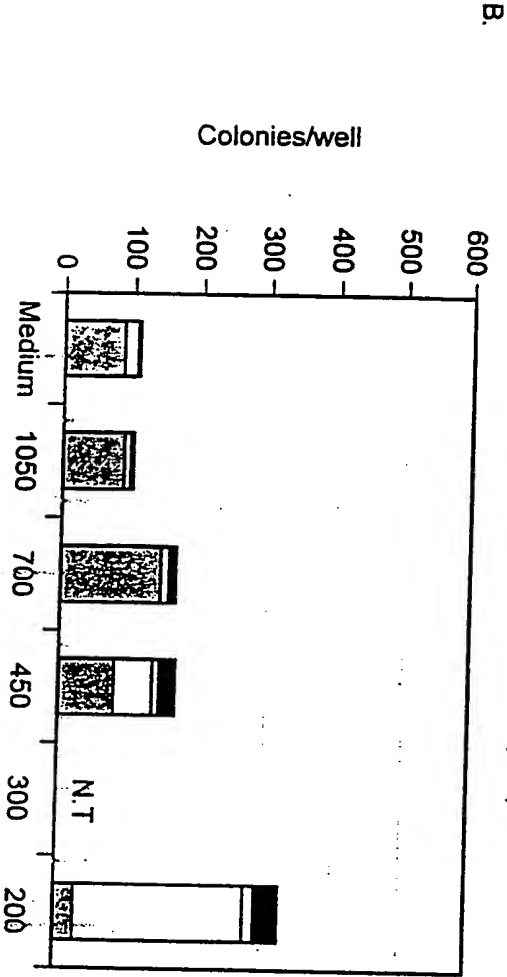
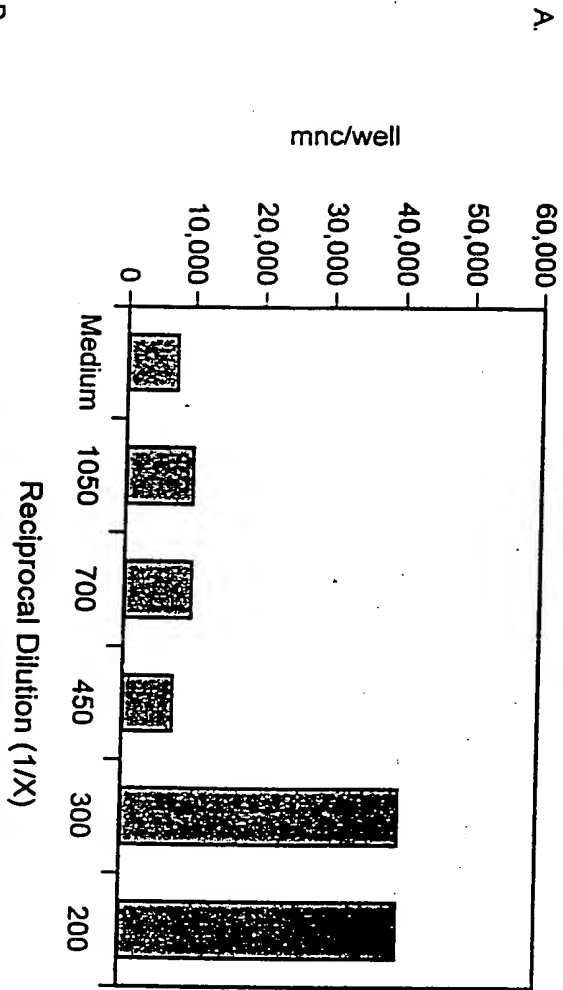
FIGURE 12

Figures 13A and 13B



06476485-423099

Figures 14A and 14B



600621-52496400

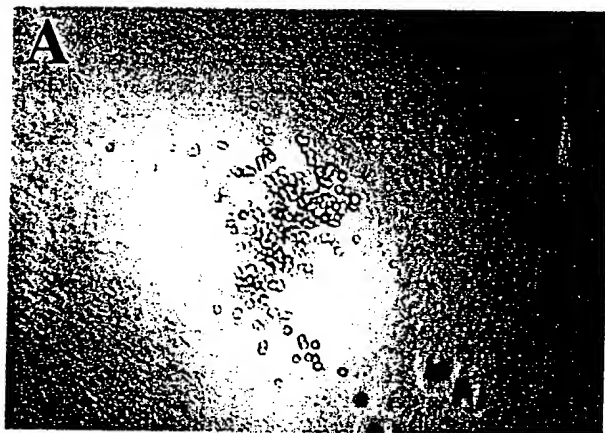


Figure 15A

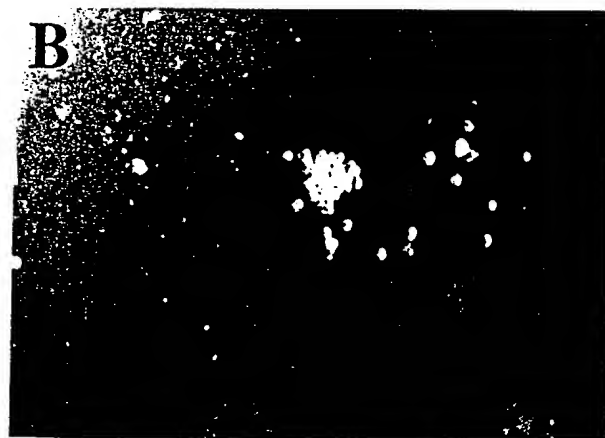


Figure 15B

094948-149099
660667-661668

660627-52492400

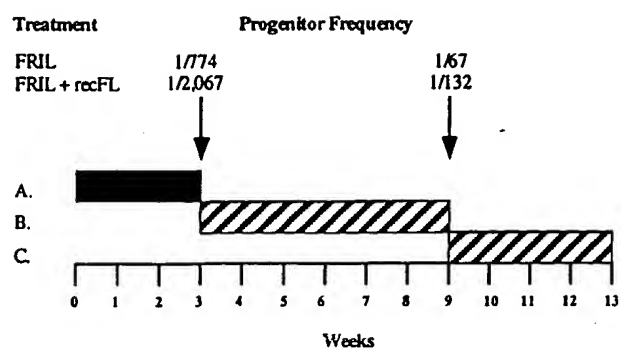


Figure 16

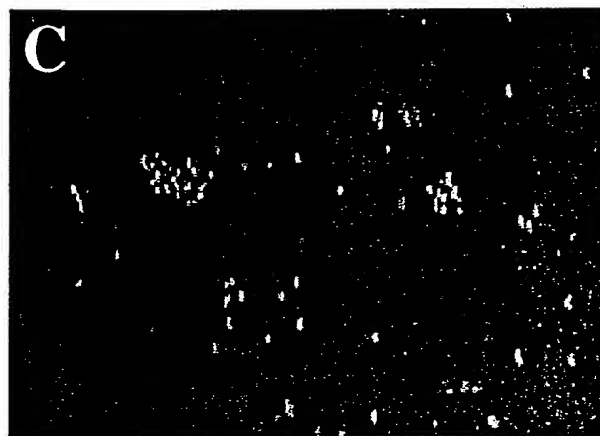
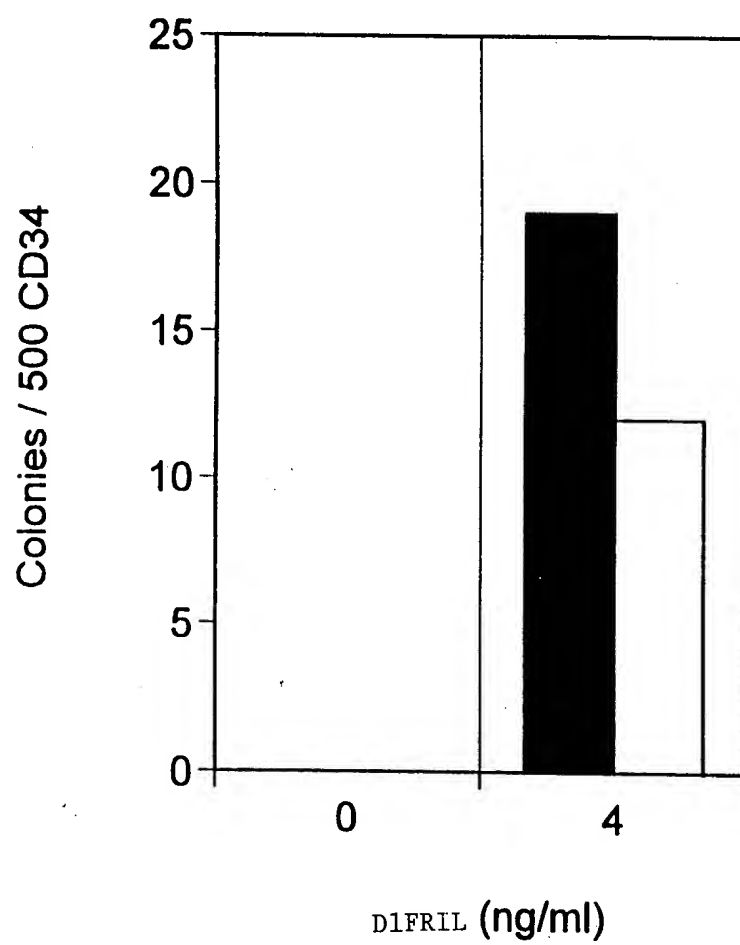


Figure 17

60027-5349460

660637-58194160

Figure 18



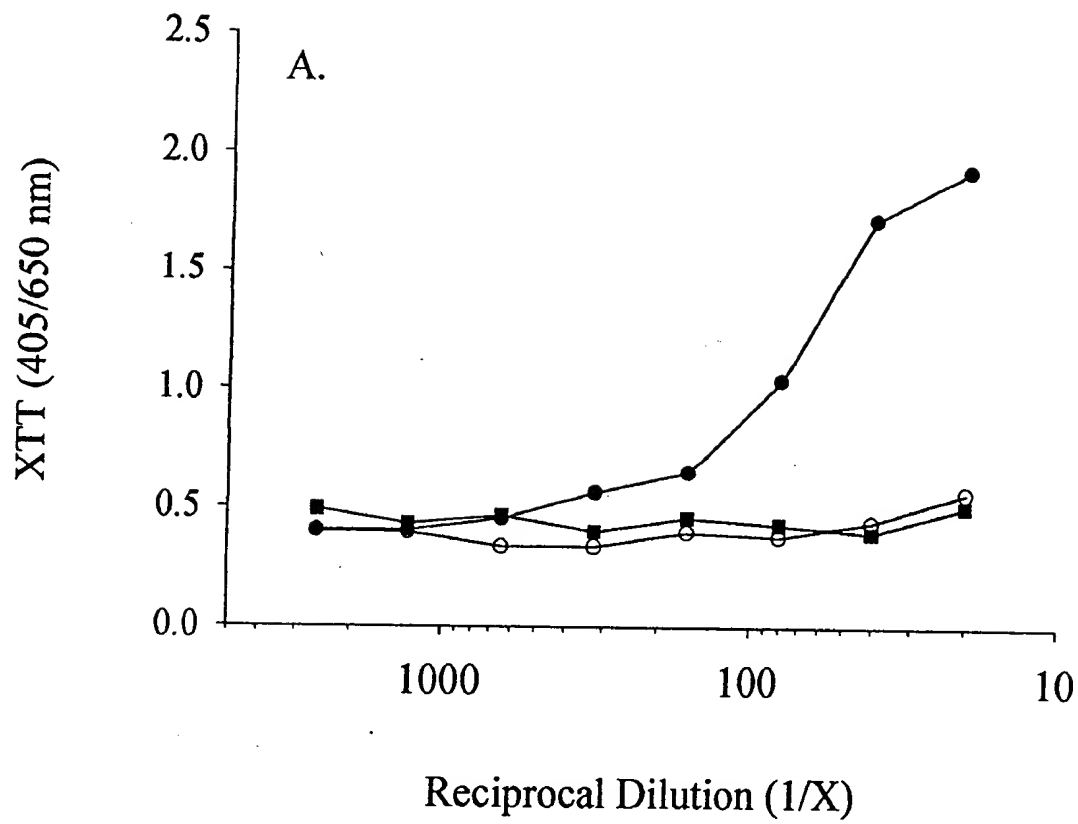


Figure 19A

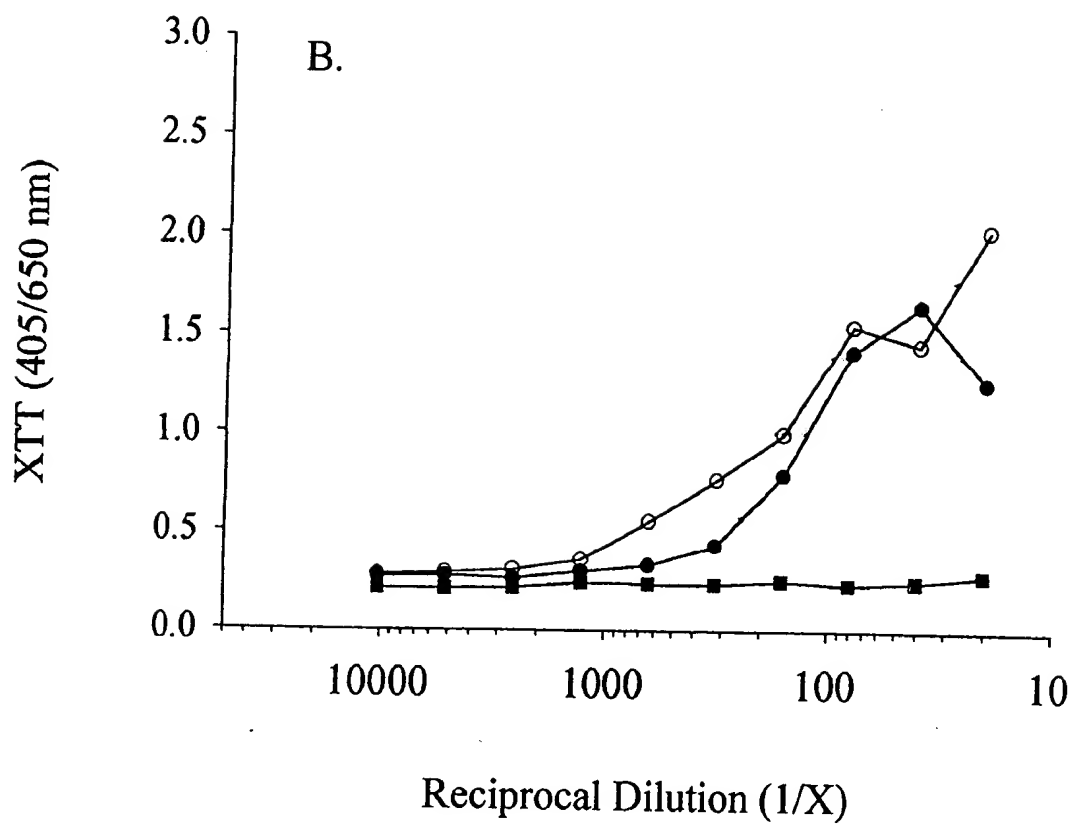
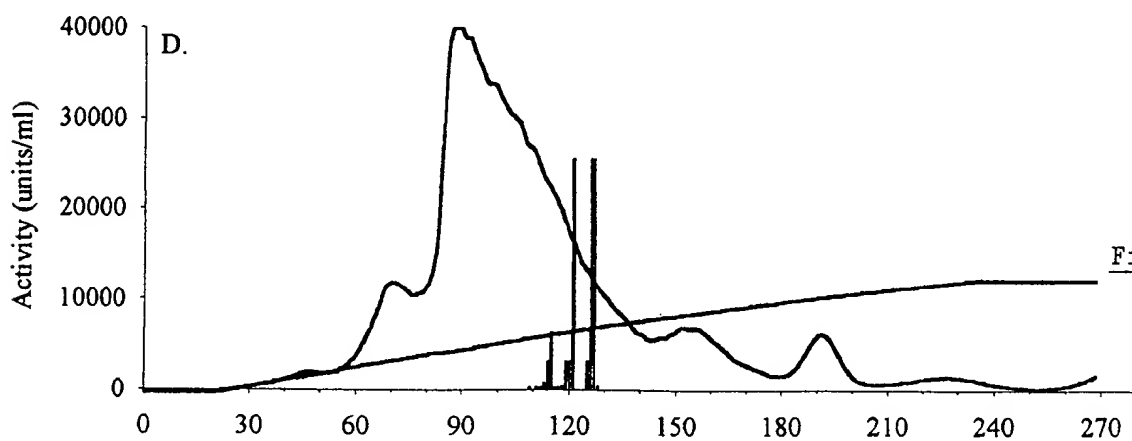
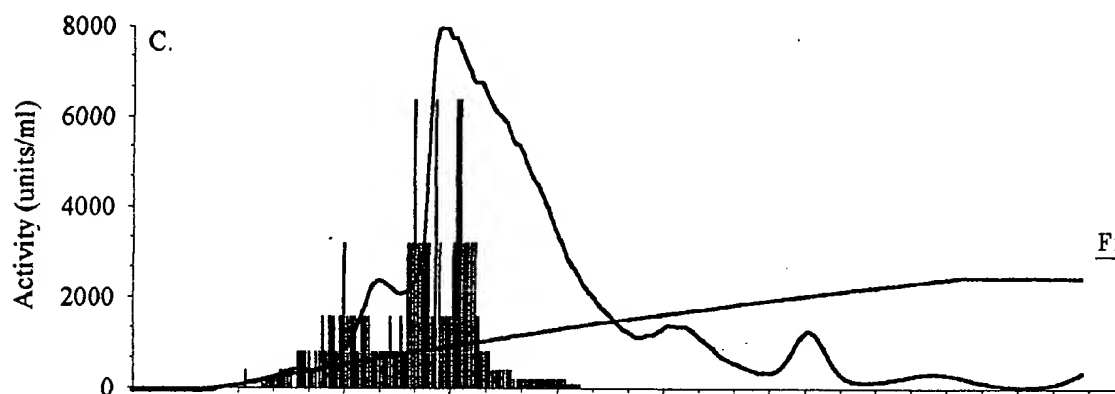
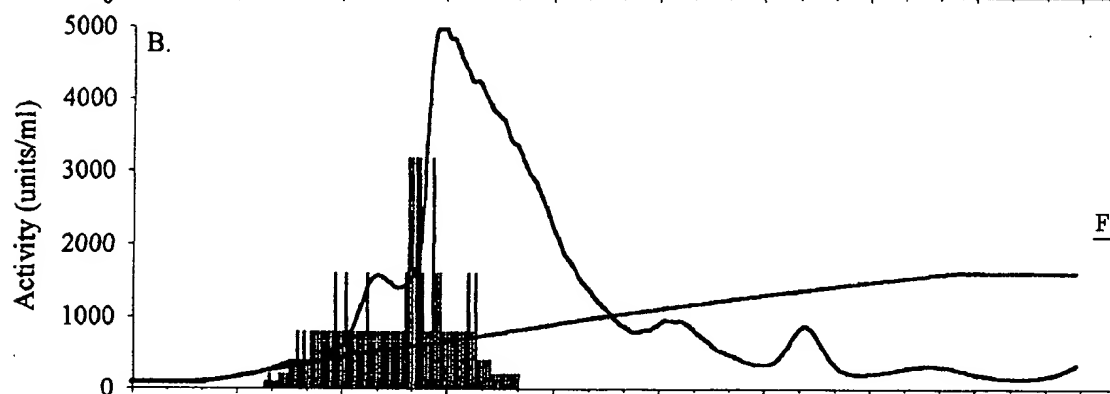
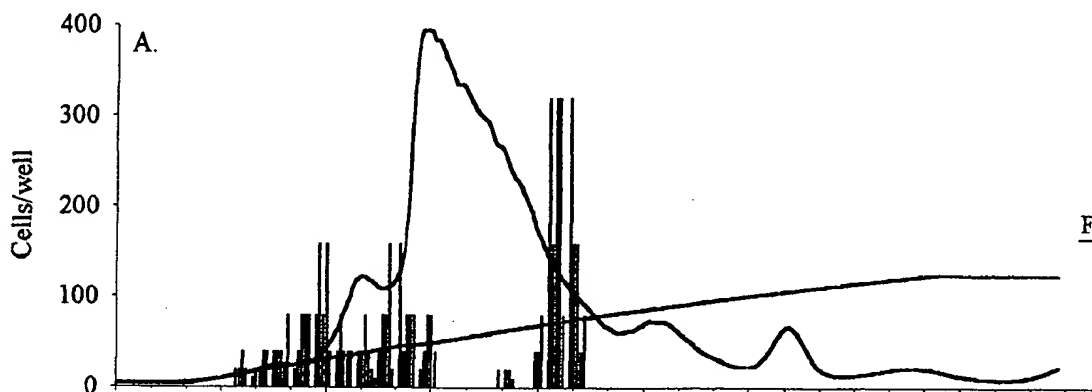


Figure 19B



Column Fractions

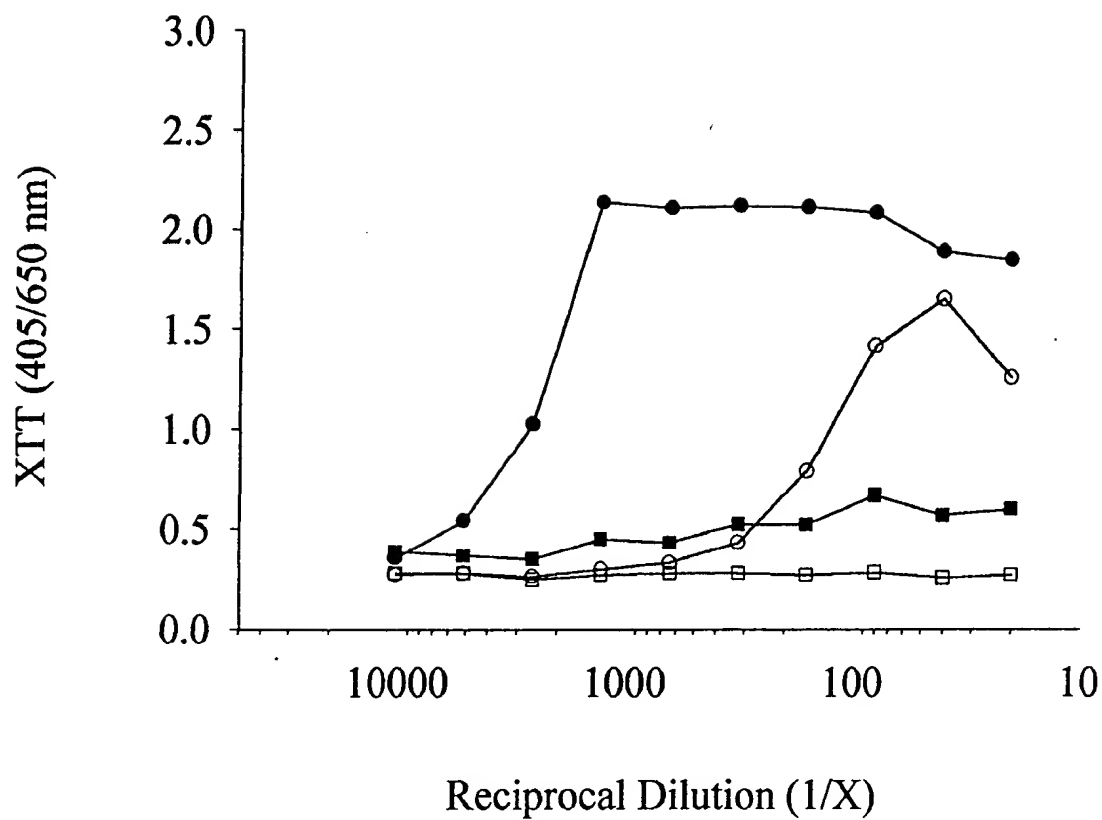


Figure 21A

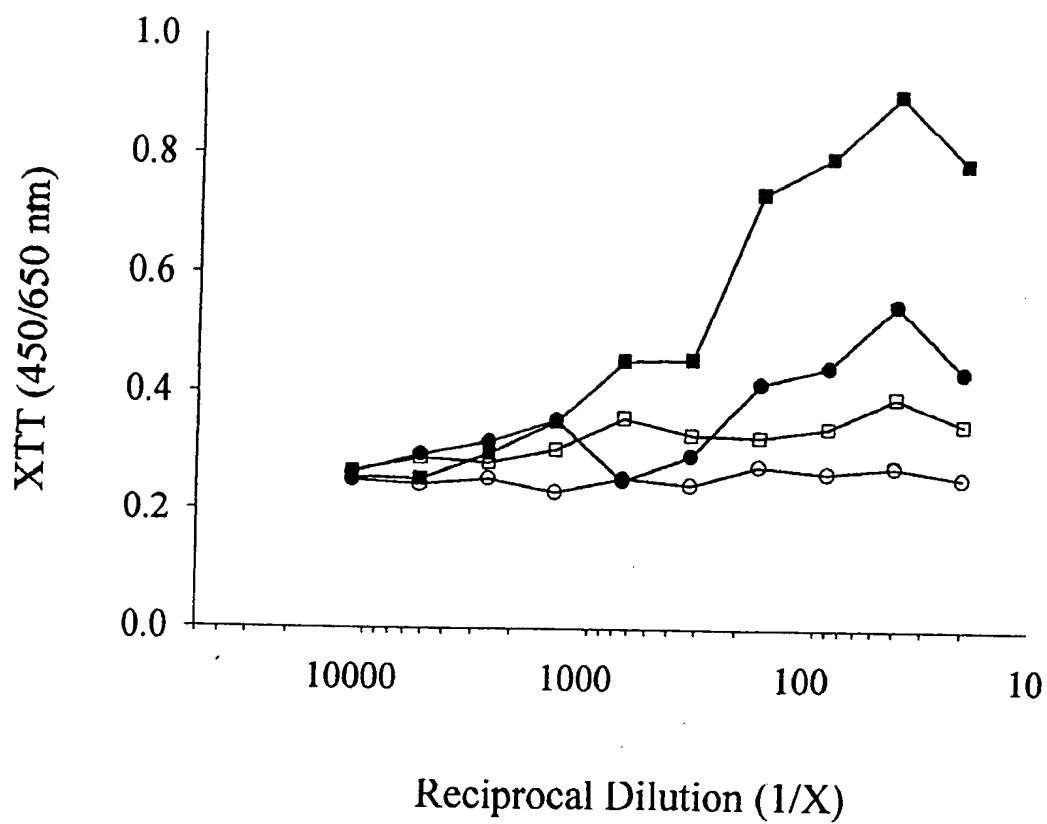


Figure 21B

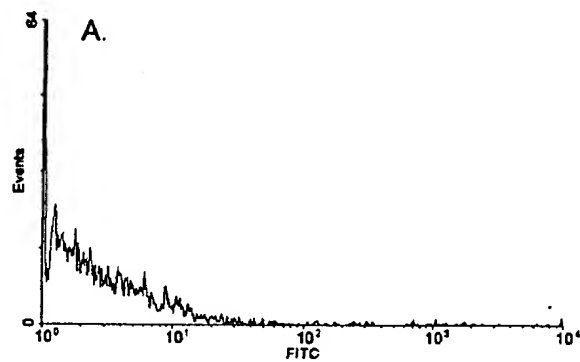


Figure 22A

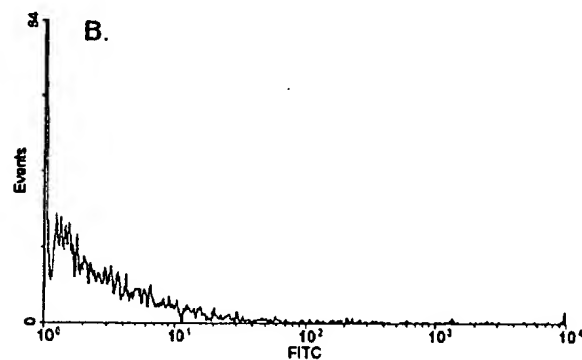


Figure 22B

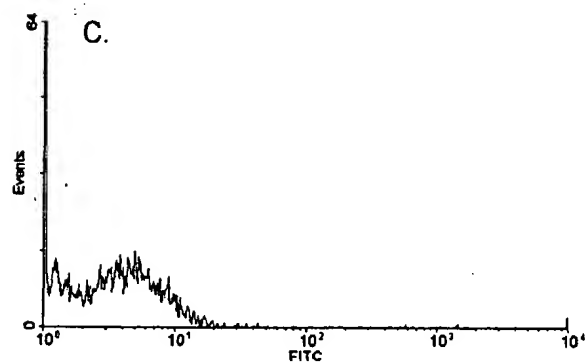


Figure 22C

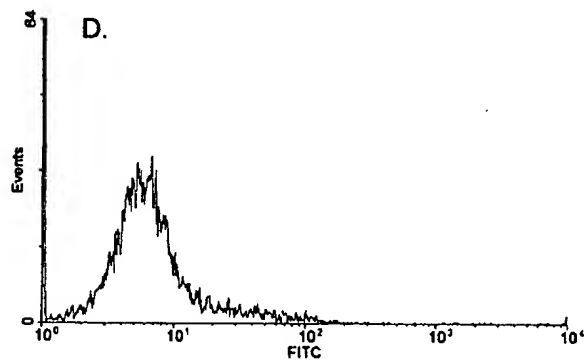


Figure 22D

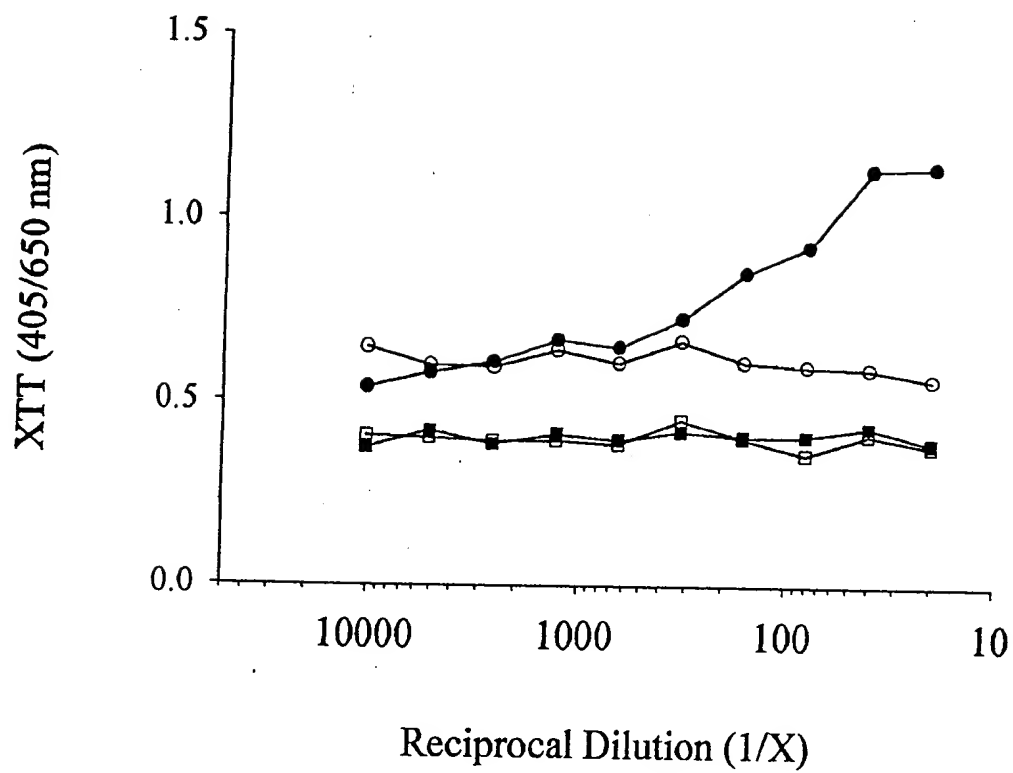


Figure 23

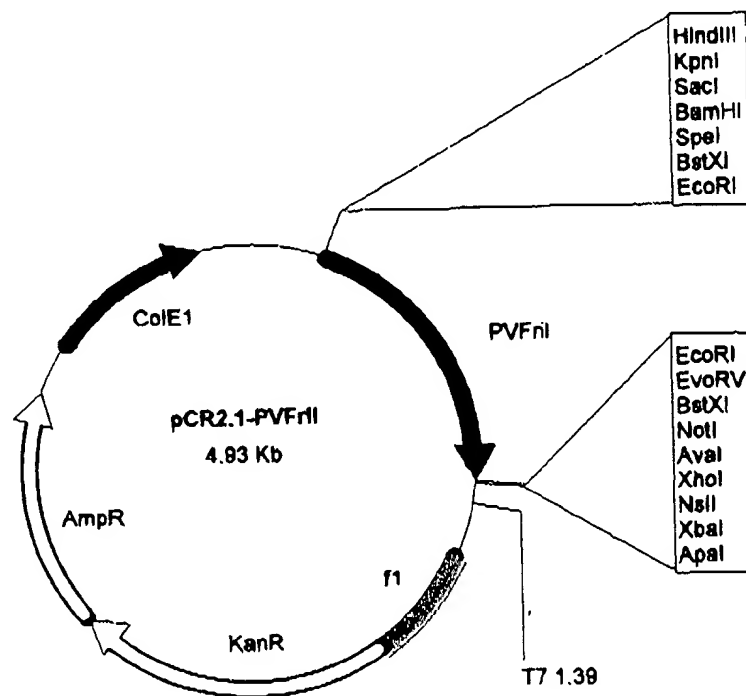


Figure 24A

660661-5613466

DLL	1	AQSL	SF	SFT	KFD	P	N	Q	E	D	L	I	F	Q	G	I	A	T	S	-	-	-	-	26									
PvFRIL	1	AQSL	SF	NFT	KFD	L	D	Q	K	D	L	I	F	Q	G	D	A	T	S	T	N	-	-	29									
PHA-E	1	ASQT	IS	ES	FQ	R	E	N	-	-	E	T	N	L	I	L	Q	R	D	A	T	V	S	S	K	G	28						
DLL	27	-	-	-	-	K	L	D	S	A	G	N	P	V	S	S	S	A	G	R	V	L	Y	S	A	P	L	R	L	W	51		
PvFRIL	30	V	L	Q	L	T	K	L	D	S	G	G	N	P	V	G	A	S	V	G	R	V	L	F	S	A	P	F	H	L	W	59	
PHA-E	29	Q	L	R	L	T	N	V	N	D	N	G	E	P	T	L	S	S	L	G	R	A	F	Y	S	A	P	I	Q	I	W	58	
DLL	52	E	D	S	A	V	L	T	S	F	D	P	-	-	-	T	I	Y	I	F	T	N	Y	T	S	R	I	A	D	G	L	78	
PvFRIL	60	E	N	S	M	A	V	S	S	E	E	T	N	-	L	T	I	Q	I	S	T	P	H	P	Y	Y	A	A	D	G	L	88	
PHA-E	59	D	N	T	T	G	A	V	A	A	S	P	T	S	F	T	F	N	I	D	V	P	N	N	S	G	P	A	D	G	L	88	
DLL	79	A	F	I	A	P	P	-	D	S	V	I	S	Y	H	-	-	G	G	F	L	G	L	F	P	N	A	A	E	S	G	105	
PvFRIL	89	A	F	F	L	A	P	H	D	T	V	I	P	P	N	S	W	G	K	F	L	G	L	Y	S	N	V	F	R	N	S	118	
PHA-E	89	A	F	V	L	L	P	V	G	S	Q	P	K	D	K	-	-	G	G	L	L	G	L	F	N	N	Y	K	Y	D	S	116	
DLL	106	I	A	E	S	N	-	-	-	-	-	-	-	-	-	-	-	V	V	A	V	E	F	D	T	D	Y	L	N	P	D	124	
PvFRIL	119	P	T	S	E	N	Q	S	F	G	D	V	N	T	D	S	R	V	V	A	V	E	F	D	T	-	-	E	P	N	A	146	
PHA-E	117	N	A	H	-	-	-	-	-	-	-	-	-	-	-	-	-	T	V	A	V	E	F	D	T	-	-	L	Y	N	V	131	
DLL	125	Y	G	D	P	N	Y	L	H	I	G	I	D	V	N	S	I	R	S	K	V	T	A	S	W	D	W	Q	N	G	K	154	
PvFRIL	147	N	I	D	P	N	Y	R	H	I	G	I	D	V	N	S	I	K	S	K	E	T	A	R	W	E	W	Q	N	G	K	176	
PHA-E	132	H	W	D	P	K	P	R	H	I	G	I	D	V	N	S	I	K	S	I	K	T	T	T	W	D	F	V	K	G	E	181	
DLL	155	I	A	T	A	H	I	S	Y	N	S	V	S	K	R	L	S	V	T	T	Y	Y	P	G	R	G	K	-	P	A	T	183	
PvFRIL	177	T	A	T	A	R	I	S	Y	N	S	A	S	K	K	S	T	V	T	T	F	Y	P	G	M	E	V	-	V	A	L	205	
PHA-E	162	N	A	E	V	L	I	T	Y	D	S	S	T	K	L	L	V	A	S	L	V	Y	P	S	L	K	T	S	F	I	V	191	
DLL	184	S	Y	D	L	E	L	H	T	V	L	P	E	W	V	R	V	G	L	S	A	S	T	G	Q	-	-	-	N	I	E	210	
PvFRIL	206	S	H	D	V	D	L	H	A	E	L	P	E	W	V	R	V	G	L	S	A	S	T	G	E	-	-	-	E	K	Q	232	
PHA-E	192	S	D	T	V	D	L	K	S	V	L	P	E	W	V	I	V	G	F	T	A	T	T	G	I	T	K	G	N	V	E	221	
DLL	211	R	N	T	V	H	S	W	S	F	T	S	S	L	W	T	N	V	A	K	V	G	-	-	-	-	-	V	A	S	I	235	
PvFRIL	233	K	N	T	I	I	S	W	S	F	T	S	S	L	K	N	N	E	V	K	E	P	K	E	D	M	Y	I	A	N	V	262	
PHA-E	222	T	N	D	I	L	S	W	S	F	A	S	K	L	S	D	G	T	T	S	E	A	L	N	-	-	-	L	A	N	F	248	
DLL	236	S	G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	237	
PvFRIL	263	V	R	S	Y	T	W	I	N	D	V	L	S	Y	I	S	N	K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	279
PHA-E	249	A	L	N	Q	I	L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	254	

Figure 24B

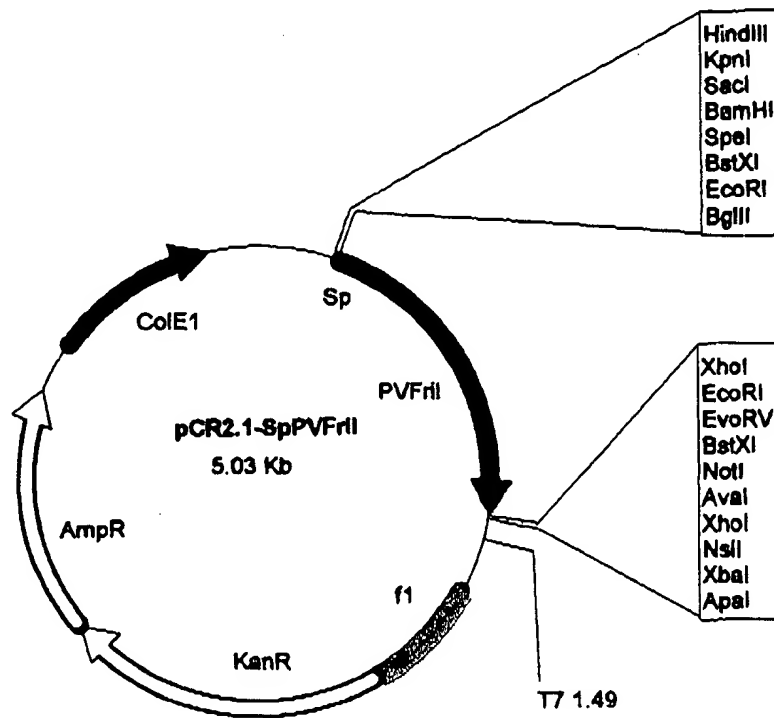


Figure 25

660627-58194160

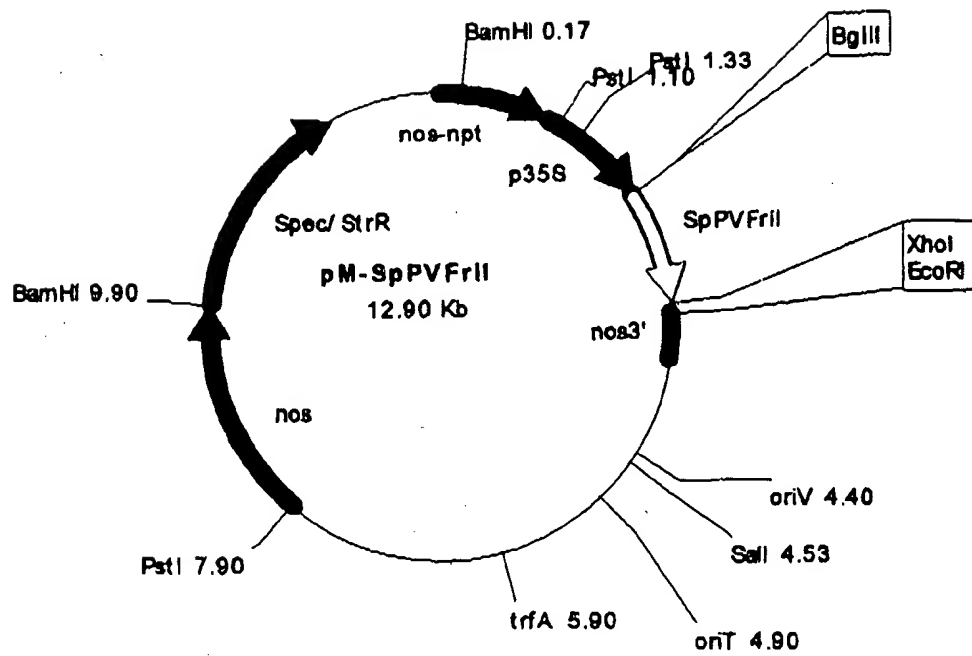


Figure 26

Figure 27A

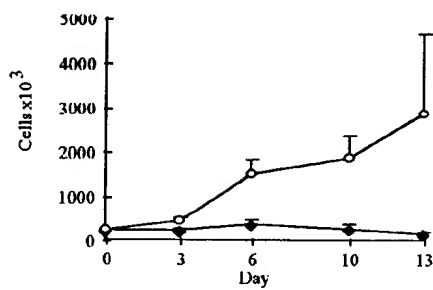


Figure 27B

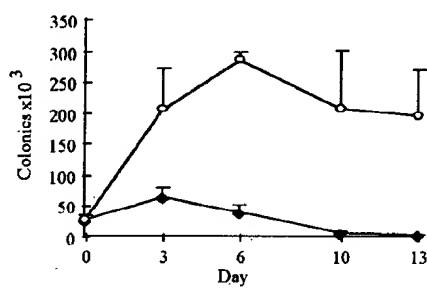


Figure 28A

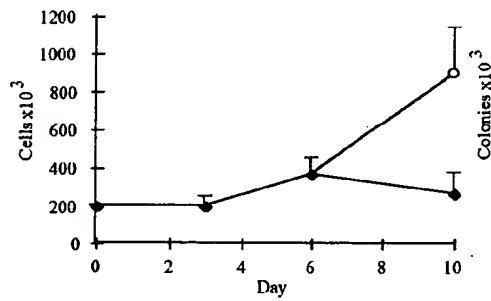


Figure 28B

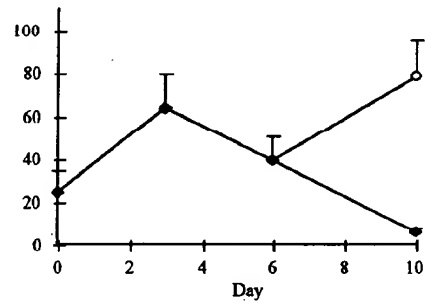


Figure 28C

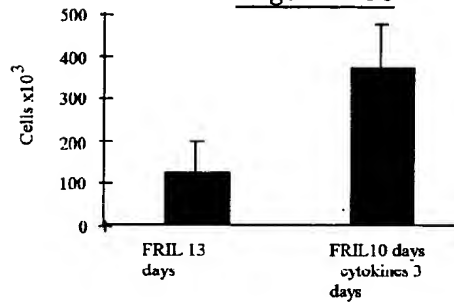
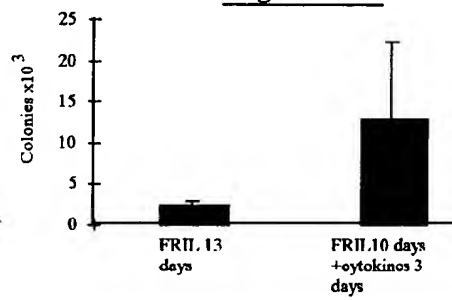
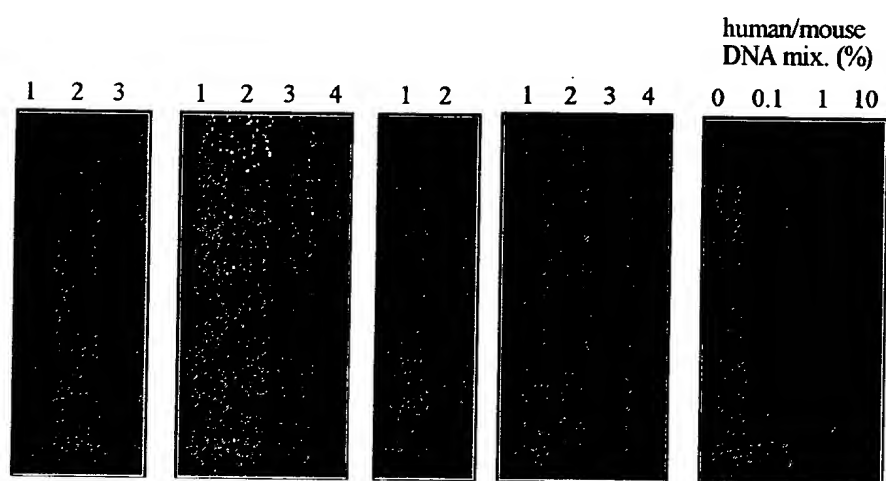


Figure 28D



6646-56464646



Figures 29A - 29E

Human DNA (%)

FRIL 10 days

FRIL 6 days+
cytokines 4 days

Figure 30

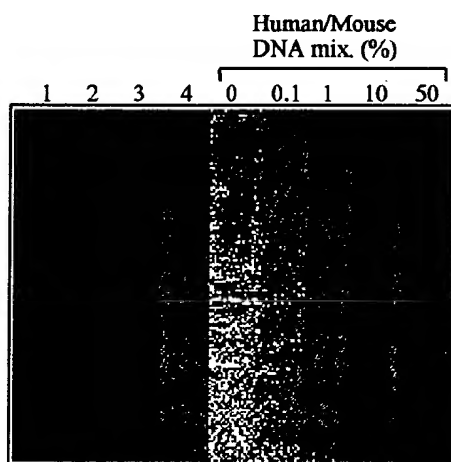


Figure 31

09476485-123099

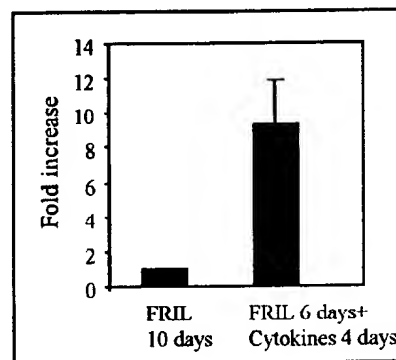


Figure 32

Figure 33A

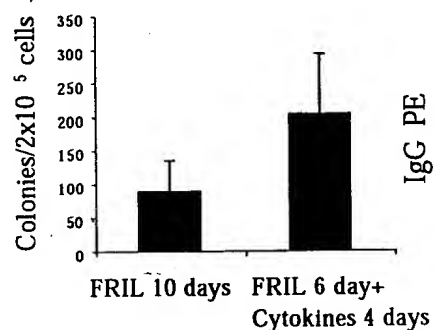


Figure 33B

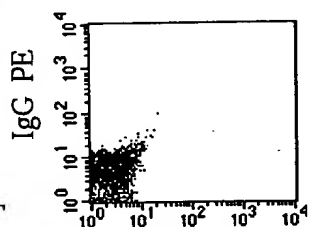


Figure 33C

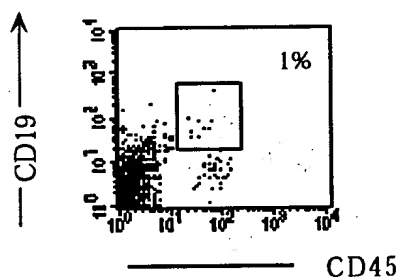


Figure 33D

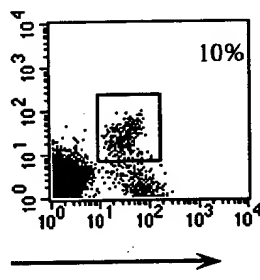


Figure 33 E

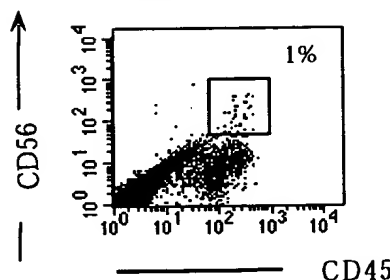
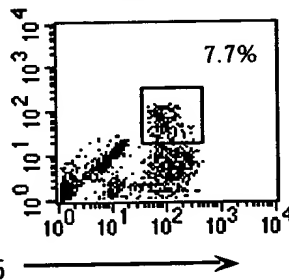


Figure 33F



A.

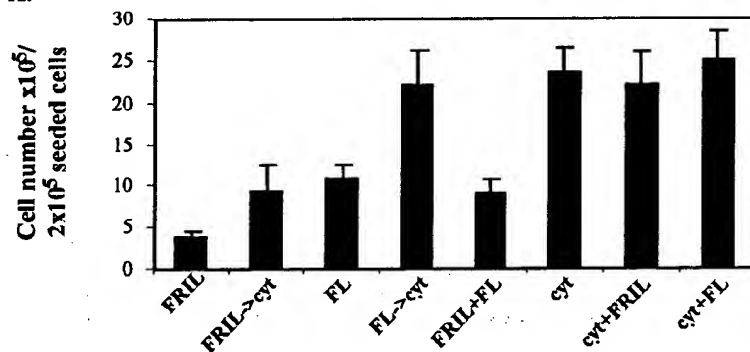


Figure 34A

B.

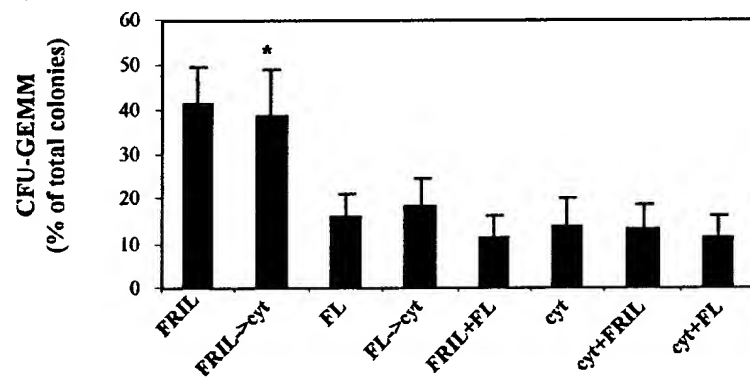


Figure 34B

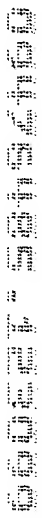
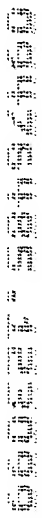
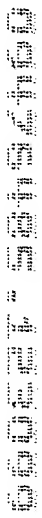
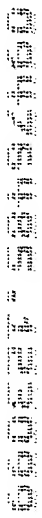
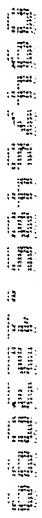
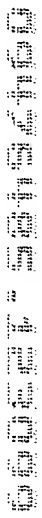
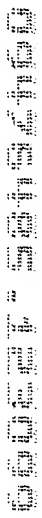
[illegible][illegible][illegible][illegible][illegible][illegible][illegible]

Figure 36A

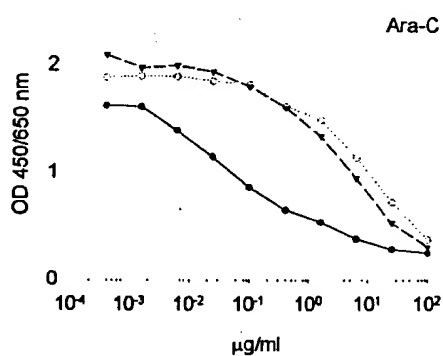


Figure 36B

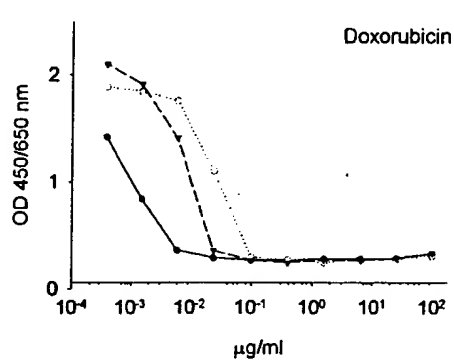
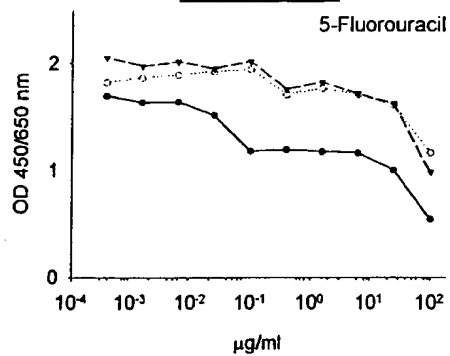
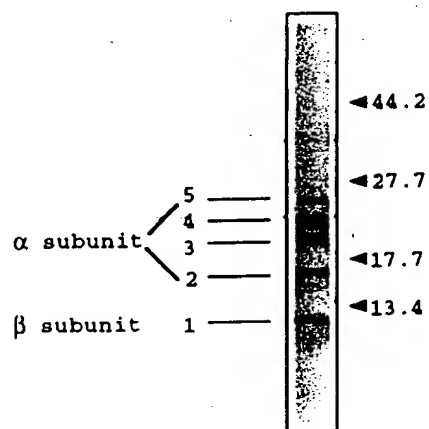


Figure 36C





Band 5 DSSTS EXQTT TKAAS SNVVA
 Band 4 DSSTS EXQTT TKA
 Band 3 DSSTS EXQTT TKAAS SNVVA
 Band 2 TT TKAAS SNVVA VEPKT YLN

Band 1 AQSLSF FSPTK FDPNQ EDLIF QHATS TNNV

FIG. 1. Fractionation of purified hyacinth bean FRIL by SDS/PAGE and amino-terminal amino acid sequences of the constituent polypeptides.

Figure 37